ANNUAL INDEX--Volume 52

1977 INDEX TO AUTHORS

Allen, Ralph. Tracking Soapstone Artifacts with Rare Earth Trace Elements.

Mar., p. 67

Batory, Dana. The Early Days of Copper Mining in California, Dec., p. 521.

Blackford, Virginia. Christmus Book List. Dec., p. 527.

Blazek, Mark C. Is Your Amber Real? July-Aug., p. 315

Block, Mark. Old Park Mine, Trumbull, Connecticut. Jan.-Feb., p. 16

Brunet, William M. Ilmenite Occurrences in Litchfield, Connecticut. Oct., p. 415; Mineral Collecting in Woodbury-Southbury, Connecticut. May, p. 182

Buckley, Bruce W. Pegmatites from Black Mountain, Maine. July-Aug., p. 320

Cooper, Lindy. Prehnite-Apophyllite Plus! June, p. 250

Coulton, Richard L. The Theropod Dinosaurs of the Edmonton Formation, Alberta, Canada. May, p. 176

Cowgill, Steven C. The Minerals of Virginia's Old Dominion Soapstone Quarry. July-Aug., p. 309

Cox, Robert L. The Micromounters Corner-Micromounting in the Winter. Jan.-Feb., p. 20; The Micromounters Corner-Weeding, Thinning and Cultivating. Mar., p. 76; The Micromounters Corner-First Impressions vs. Observations. April, p. 126; The Micromounters Corner-Quality of Micromounts. May, p. 188; The Micromounters Corner-Micromounting, the Conservation of Mineral Collecting. July-Aug., p. 327; The Micromounters Corner-On the Growth of Micromounting. Sept., p. 386; The Micromounters Corner-Mounting Small Specimens. Oct., p. 436; The Micromounters Corner-Art and Micromounting. Dec., p. 543.

Dagenhart, Thomas. The History and Mineralogy of a Revolutionary War Period Iron Mine, North Garden, Virginia. Sept., p. 360

Dietrich, R. V. A Resume: Pseudomorphs in Virginia. June, p. 236

Fisher, Henry. Ohio Celestine. Oct., p. 411
Francis, Carl A. An Introduction to VPI's
Museum of Geological Sciences. June,
p. 289; Book Review: Minerals of
Virginia by R. V. Dietrich. June, p. 242

Freeland, Howard R. Peter's Mountain: Hematite and Hematite Incrustation Pseudomorphs after Barite. June, p. 279

Goodwin, Bruce K. The Geological Wealth of Richmond, Virginia. June, p. 246

Hartford, Winslow H. Chromium and Color. May, p. 169

Heusser, George E. Shawangunk Mountains Lead-Zinc Deposits. Dec., p. 515.

Holland, C. G. Tracking Soapstone Artifacts with Rare Earth Trace Elements. Mar., p. 67

Jensen, David E. Assembly of a Junior Mastodon. Mar., p. 84; Christmas Book List. Dec., p. 527; Knob Country-Revisited. April, p. 117

Jensen, David and Katherine. Specimen Preparation—Suggestions on the Trimming, Washing and Repair of Mineral Specimens. Nov., p. 468

Jensen, Katherine. Native Lead. Jan.-Feb., p. 22

Jud, William F. The Lady in Stone-An Unusual Rock Picture. Jan.-Feb., p. 19

Katz, Arthur S. Minerals from the Old Sulphur Mine, Louisa County, Virginia June, p. 275

Katz, Delores. What To Do if a Creature Bites You. Mar., p. 85

King, Vandall T. H. Wallace Noyes: An Historical Sketch and a Look at Species Collecting. Oct., p. 421; The Study of Minerals—The Usefulness of Cleavage. April, p. 127; The Study of Minerals—The Miscellaneous Physical Properties. July-Aug., p. 331; World News on Mineral Occurrences. Mar., p. 74; World News on Mineral Occurrences. April, p. 124; World News on

Mineral Occurrences. May, p. 186; World News on Mineral Occurrences. July-Aug., p. 320; World News on Mineral Occurrences. Sept., p. 382; World News on Mineral Occurrences. Nov., p. 486

Laskowich, Chris. Minerals and Dinosaur Tracks from Little Falls, New Jersey.

Mar., p. 66

Lasmanis, Raymond. Selenite Crystals from Princeton, British Columbia. July-Aug., p. 320

Leavitt, Duane. Looking for Maine Apatites. Dec., p. 524.

Le Duce, Toni. Topographic Maps-A Primer on Terms, Uses and Sources. Sept., p. 367

Lincks, Bea. A Good Use for Extra Specimens. July-Aug., p. 314

Linde, Martha. South Dakota's Big Chief Mine. Mar., p. 72

Loughlin, John. Australian Opals. April, p. 139

Lyons, Florence. Chips and Bits from EFMLS Clubs. July-Aug., p. 335; Chips and Bits from EFMLS Clubs. Sept., p. 387; Chips and Bits from EFMLS Clubs. Oct., p. 440; Chips and Bits from EFMLS Clubs, Nov., p. 491; Chips and Bits from EFMLS Clubs. Dec., p. 545.

McClanahan, Attison. Fossil Fern Fragments-Clues to Part of West Virginia's Prehistoric Past. April, p. 141

Machiewicz, Michael C. Calcite Crystals from Oahu, Hawaii. Mar., p. 70 Martineau, Karen. Preparing and Cleaning

Fossils, Nov., p. 471

Marshall, Royal R. The Zinc Minerals. Mar., p. 57

Mattison, Boyd. Up on the Chalk. July-Aug., p. 304

Mattison, Ruth. Rice's Fossil Pit-Virginia Miocene Fossils. June, p. 283

Mitchell, Richard S. Barite Crystals from Gage County, Nebraska. Sept., p. 357; Cerussite and Hydrocerussite on Altered Civil War Lead Bullets: Are They Minerals? Jan.-Feb., p. 5; Geological Displays and Collections in Virginia. June, p. 286; Minerals from the Old Sulphur Mine, Louisa County, Virginia. June, p. 275; Some Noteworthy Minerals from Virginia. June, p. 221

Molon, Joseph. Major Geologic Formations in Western Germany. Sept., p. 377

Narsavage, Robert J. Jr. Update on Collecting in Paterson, New Jersey. Sept., p. 372

O'Connor, James V. Some Geological Points of Interest along the Fall Zone of Northeastern Virginia. Nov., p. 473

Pollack, Ross. Riker Hill, New Jersey – An Active Collecting Area. Dec., p. 541.

Rader, Eugene K. Fossil Collecting in Virginia. June, p. 281

Reiner, John. Thumbnails—Fluorescent Thumbnails. Jan.-Feb., p. 21; Thumbnails—The Metallic Minerals. Mar., p. 79; Thumbnails—Young Collectors. July-Aug., p. 329; Thumbnails— Collecting in New Hampshire. Oct., p. 438; Thumbnails—Pint's Quarry. Nov., p. 495

Roberts, Mervyn E. Jr. A Bicentennial Project: Okinawa's Plaza of States. Jan.-Feb., p. 12

Schlichter, Ernest S. Westmoreland, New Hampshire-The Closing of a Collecting Site. Jan.-Feb., p. 7

Sherwood, W. Cullen. The Geology of Virginia. June, p. 236

Sloat, Lou W. Last of the Alabama Gold Mines. Nov., p. 463

Smith, Darrell. New Sulfide-Mineral Prospect, Louisa County, Virginia. May, p. 184

Speer, J. Alexander. The Orthorhombic Carbonate Minerals of Virginia. June, p. 275

Stansbury, Steve. Sponges-Animals with Holes. Jan.-Feb., p. 34

Sweet, Palmer C. Mineral and Fossil Collecting Sites in Virginia. June, p. 230

Thorne, Peter. Fossil Fan Palms of the Northwest. Oct., p. 427

Trimble, David C. The Minerals of Virginia's Old Dominion Soapstone Quarry.
July-Aug., p. 309

Ulrich, William. Checklist of New York Minerals. April, p. 122

Van DeBogert, Kenneth. Thumbnails— Pint's Quarry. Nov., p. 495

Van Diver, Bradford B. Mineral Environments of New York's North Country. April, p. 109

Watson, Eugene T. The Minerals of Virginia's Old Dominion Soapstone Quarry. July-Aug., p. 309 Wegad, Gilbert. Selection of Faceting Material. Jan.-Feb., p. 11

Wertz, Vernon. Chips and Bits from EFMLS Clubs. Jan.-Feb., p. 30; Chips and Bits from EFMLS Clubs. Mar., p. 80; Chips and Bits from EFMLS Clubs. April, p. 132; Chips and Bits from EFMLS Clubs. May, p. 194

Wight, Quintin. Tip on Mounting Micros.
April. p. 143

Zahn, Ken. The Washington Scene. July-Aug., p. 334

Zvirblis, Anthony G. Fossil Department— Collecting Devonian Trilobites. Jan.-Feb., p. 29; Fossil Department— Looking Back. Mar., p. 78; Fossil Department—Relics of the Pennsylvanian Period. May, p. 190

INDEX TO LOCALITIES

Alabama-Last of the Alabama Gold
Mines. Lou W. Sloat, Nov., p. 463

Australia—Australian Opals, April, p.139; Rare Meteorite Found in Australia. Nov., p. 497

British Columbia—Fossil Fan Palms of the Northwest. Peter Thorne, Oct., p. 427; Selenite Crystals from Princeton, British Columbia. Raymond Lasmanis, July-Aug., p. 320

California—The Early Days of Copper Mining in California, Dana Batory, Dec., p. 521.

Canada-The Theropod Dinosaurs of the Edmonton Formation, Alberta, Canada. Richard L. Coulton, May, p. 176

Connecticut—Ilmenite Occurrences in Litchfield, Connecticut. William M. Brunet, Oct., p. 415; Mineral Collecting in Woodbury-Southbury, Connecticut. William M. Brunet, May, p. 182; Old Park Mine, Trumbull, Connecticut. Mark Block, Jan.-Feb., p. 16

Florida—Assembly of a Junior Mastodon Becomes a Club's Stellar Project. David E. Jensen. Mar., p. 84

Hawaii—Calcite Crystals from Oahu, Hawaii. Michael C. Mackiewicz. Mar., p. 70

Iowa-Pint's Quarry. John Reiner, Kenneth Van DeBogert, Nov., p. 495 Maine-Looking for Maine Apatites.

Duane Leavitt, Dec., 524; Pegmatites from Black Mountain, Maine. Bruce
W. Buckley, July-Aug., p. 317

Nebraska-Barite Crystals from Gage County, Nebraska. Richard S. Mitchell, Sept., p. 357

New Hampshire-Collecting in New Hampshire. John Reiner, Oct., p. 439; Westmoreland, New Hampshire-The Closing of a Collecting Site. Ernest S. Schlichter, Jan.-Feb., p. 7

New Jersey-Minerals and Dinosaur Tracks from Little Falls, New Jersey. Chris Laskowich, Mar., p. 66; Riker Hill, New Jersey-An Active Collecting Area. Ross Pollack, Dec., p. 541; Update on Collecting in Paterson, New Jersey. Robert J. Narsavage Jr., Sept., p. 372

New York—Checklist of New York
Minerals. William Ulrich, April, p. 122;
Collecting Devonian Trilobites,
Anthony G. Zvirblis. Jan.-Feb., p. 29;
Mineral Environments of New York's
North Country. Bradford B. Van
Diver, April, p. 109; Pierrepont, New
York—A Classic Collecting Site. April,
p. 120; Shawangunk Mountain LeadZinc Deposits. George E. Heusser,
Dec., p. 515.

North Carolina -North Carolina Restores Reed Gold Mine. April, p. 142; Up on the Chalk. Boyd S. Mattison. July-Aug., p. 304

Ohio-Ohio Celestine. Henry Fisher, Oct., p. 411

South Dakota-South Dakota's Big Chief Mine. Martha Linde, Mar., p. 72

Virginia-A Resume: Pseudomorphs in Virginia. R. V. Dietrich, June, p. 236; An Introduction to VPI's Museum of Geological Sciences. Carl A. Francis, June, p. 289; Book Review: Minerals of Virginia by R. V. Dietrich. Carl Francis, June, p. 242; Cerussite and Hydrocerussite on Altered Civil War Lead Bullets: Are They Minerals? Richard S. Mitchell, Jan.-Feb., p. 5; Collections and Displays-Lora Robins Gallery of Design from Nature, Richmond, Virginia. Nov., p. 482; Fossil Collecting in Virginia. Eugene K. Rader, June, p. 281; Geological Displays and Collections in Public and Private Institutions of Virginia. Richard S. Mitchell, June, p. 286; The Geological Wealth of Richmond, Virginia. Bruce K. Goodwin, June, p. 246; The Geology of Virginia. W. Cullen Sherwood, June, p. 244; The History and Mineralogy of a Revolutionary War Period Iron Mine, North Garden, Virginia. Thomas Dagenhart Jr., Sept., p. 360; Jeffersonite: A Mineral Named for Thomas Jefferson. June, p. 274; Mineral and Fossil Collecting Sites in Virginia. Palmer C. Sweet, June, p. 230; Minerals from the Old Sulphur Mine, Louisa County, Virginia. Richard S. Mitchell, Arthur S. Katz, June, p. 275; The Minerals of Virginia's Old Dominion Soapstone Quarry. Eugene T. Watson, David C. Trimble, Steven C. Cowgill, July-Aug., p. 309; Nelsonite: A Unique Virginia Rock. June, p. 235; New Sulfide Mineral Prospect Louisa County, Virginia. Darrell Smith, May, p. 184; The Orthorhombic Carbonate Minerals of Virginia. J. Alexander Speer, June, p. 267; Peter's Mountain: Hematite and Hematite Incrustation Pseudomorphs after Barite. Howard R. Freeland, June, p. 279; Prehnite-Apophyllite Plus! Lindy Cooper, June, p. 250; Rice's Fossil Pit-Virginia Miocene Fossils. Ruth Mattison, June, p. 283; Some Geological Points of Interest along the Fall Zone of Northeastern Virginia. James V. O'Connor, Nov., p. 473; Some Noteworthy Minerals from Virginia. Richard S. Mitchell, June, p. 221; Tracking Soapstone Artifacts with Rare Earth Trace Elements. C. G. Holland, Ralph Allen, Mar., p. 67; Unakite. Richard S. Mitchell, June, p. 228; William Barton Rogers. June, p. 274

West Virginia-Fern Fossil Fragments-Clues to Part of West Virginia's Prehistoric Past. Attison McClanahan,

April, p. 141

INDEX TO PARTICULAR MINERALS AND SPECIES

Amber-Is Your Amber Real? Mark C. Blazek, July-Aug., p. 315

Amethyst—Cover photograph. Katherine H. Jensen, October; Mineral and Fossil Collecting Sites in Virginia. Palmer C. Sweet, June, p. 230; Some Noteworthy Minerals from Virginia. Richard S. Mitchell, June, p. 221

Apatite—Cover photograph. Katherine
H. Jensen. April; The History and
Mineralogy of a Revolutionary War
Period Iron Mine, North Garden,
Virginia. Thomas Dagenhart Jr.,
Sept., p. 360; Looking for Maine
Apatites. Duane Leavitt, Dec., p. 524.

Apophyllite-Prehnite-Apophyllite Plus! Lindy Cooper, June, p. 250; Some Noteworthy Minerals from Virginia. Richard S. Mitchell, June, p. 221

Aragonite—The Orthorhombic Carbonate Minerals of Virginia. J. Alexander Speer, June, p. 267

Autunite-Up on the Chalk. Boyd S. Mattison. July-Aug., p. 304

Babingtonite—Riker Hill, New Jersey— An Active Collecting Area. Ross Pollack, Dec., 541.

Barite-Barite Crystals from Gage County, Nebraska. Richard S. Mitchell, Sept., p. 357

Beryl-Mineral and Fossil Collecting Sites in Virginia. Palmer C. Sweet, June, p. 230

Biotite—The History and Mineralogy of a Revolutionary War Period Iron Mine, North Garden, Virginia. Thomas Dagenhart Jr., Sept., p. 360

Calcite-Calcite Crystals from Oahu,
Hawaii. Michael C. Mackiewicz, Mar.,
p. 70; Cover photograph. Katherine
H. Jensen. April; Cover photograph.
Henry Van Lenten, September;
Mineral Collecting in WoodburySouthbury, Connecticut. William M.
Brunet, May, p. 182; Minerals and
Dinosaur Tracks from Little Falls,
New Jersey. Chris Laskowich, Mar.,
p. 66; Riker Hill, New Jersey-An
Active Collecting Area. Ross Pollack,
Dec., p. 541.

Celestine-Ohio Celestine. Henry Fisher, Oct., p. 411

Cerussite—Cerussite and Hydrocerussite on Altered Civil War Lead Bullets: Are They Minerals? Richard S. Mitchell, Jan.-Feb., p. 5; Letters. April, p. 154; The Orthorhombic Carbonate Minerals of Virginia.

J. Alexander Speer, June, p. 267

Chlorite-Riker Hill, New Jersey-An Active Collecting Area. Ross Pollack, Dec., p. 541.

Chromium—Color and the Chromium Minerals. Winslow H. Hartford. May,

Cleavelandite—Some Noteworthy Minerals from Virginia. Richard S. Mitchell, June, p. 221

Copper—The Early Days of Copper Mining in California. Dana Batory, Dec., p.?; Thumbnails—The Metallic Minerals. John Reiner, Mar., p. 79

Datolite-Update on Collecting in Paterson, New Jersey. Robert J. Narsavage Jr. Sept., p. 372

Fluorite-Westmoreland, New Hampshire-The Closing of a Collecting Site. Ernest S. Schlichter, Jan.-Feb., p.7

Fluorescents-Fluorescent Thumbnails, John Reiner, Jan.-Feb., p. 21 Fluor-richterite-Letters. Oct., p. 449

Gold-Last of the Alabama Gold Mines. Lou W. Sloat. Nov., p. 463

Hardystonite-Cover Photograph. Henry Van Lenten, September

Hematite-Peter's Mountain: Hematite and Hematite Incrustation Pseudomorphs after Barite. Howard R. Freeland, June, p. 279

Hyalite-Up on the Chalk. Boyd S. Mattison. July-Aug., p. 304

Hydrocerussite—Cerussite and Hydrocerussite on Altered Civil War Lead Bullets: Are They Minerals? Richard S. Mitchell, Jan.-Feb., p. 5; Letters. April, p. 154

Ilmenite-The History and Mineralogy of a Revolutionary War Period Iron Mine, North Garden, Virginia. Thomas Dagenhart Jr., Sept., p. 360; Ilmenite Occurrences in Litchfield, Connecticut. William M. Brunet, Oct., p. 415

Lead-Native Lead, Kay Jensen, Jan.-Feb., p. 22; Shawangunk Mountain Lead-Zinc Deposits. George E. Heusser, Dec., p. 515.

Lepidolite-Pegmatites from Black Mountain, Maine. Bruce W. Buckley, July-Aug., p. 317

Limestone-Old Park Mine, Trumbull, Connecticut. Mark Block, Jan.-Feb., p. 16

Magnetite-The History and Mineralogy of

a Revolutionary War Period Iron Mine, North Garden, Virginia. Thomas Dagenhart, Sept., p. 360

Mica-Mineral and Fossil Collecting Sites in Virginia. Palmer C. Sweet, June, p. 230

Microlite-Some Noteworthy Minerals from Virginia. Richard S. Mitchell, June, p. 221

Mimetite-Cover photograph. Joel Arem, January-February

Natrolite-Update on Collecting in Paterson, New Jersey. Robert J. Narsavage Jr., Sept., p. 372

Nelsonite-Nelsonite: A Unique Virginia Rock. June, p. 235

Opal-Australian Opals, April, p. 139
Pectolite-Update on Collecting in Paterson, New Jersey. Robert J. Narsavage Jr., Sept., p. 372

Pegmatite-South Dakota's Big Chief Mine. Martha Linde, Mar., p. 72

Prehnite—Prehnite—Apophyllite Plus!
Lindy Cooper, June, p. 250; Riker
Hill, New Jersey—An Active Collecting Area. Ross Pollack, Dec., 541;
Some Noteworthy Minerals from
Virginia. Richard S. Mitchell, June,
p. 221; Update on Collecting in Paterson, New Jersey. Robert J. Narsavage
Jr., Sept., p. 372

Pyrite—New Sulfide Mineral Prospect Louisa County, Virginia. Darrell Smith, May, p. 184

Quartz-Last of the Alabama Gold Mines.
Lou W. Sloat, Nov., p. 463; Minerals
and Dinosaur Tracks from Little Falls,
New Jersey. Chris Laskowich, Mar.,
p. 66; Mineral and Fossil Collecting
Sites in Virginia. Palmer C. Sweet,
June, p. 230; Mineral Collecting in
Woodbury-Southbury, Connecticut.
William A. Brunet, May, p. 182; Riker
Hill, New Jersey — An Active Collecting
Area, Ross Pollack, Dec., 541.

Rhodochrosite—Cover photograph. Joel Arem, May; Cover photograph. Joel Arem, November; The Lady in Stone— An Unusual Rock Picture. William F. Jud, Jan.-Feb., p. 19

Selenite—Selenite Crystals from Princeton British Columbia. Raymond Lasmanis, July-Aug., p. 320

Siderite-Ilmenite Occurrences in Litchfield, Connecticut. William M. Brunet, Oct., p. 415 Soapstone—Tracking Soapstone Artifacts with Rare Earth Trace Elements. C. G. Holland, Ralph Allen, Mar., p. 67

Staurolite-Some Noteworthy Minerals from Virginia. Richard S. Mitchell,

June, p. 221

Stilbite—Mineral Collecting in Woodbury-Southbury, Connecticut. William M. Brunet, May, p. 182; Minerals and Dinosaur Tracks from Little Falls, New Jersey. Chris Laskowich, Mar., p. 66

Strontianite-The Orthorhombic Carbonate Minerals of Virginia, J. Alex-

ander Speer, June, p. 267

Sulfides-New Sulfide-Mineral Prospect
Louisa County, Virginia. Darrell Smith,
May, p. 184

Tobernite—Up on the Chalk. Boyd S. Mattison, July-Aug., p. 304

Topaz-Old Park Mine, Trumbull, Connecticut. Mark Block, Jan.-Feb., p. 16

Tourmaline-Pegmatites from Black Mountain, Maine. Bruce W. Buckley, July-Aug., p. 137; Pierrepont, New York-A Classic Collecting Site. April, p. 120

Turquoise-Cover photograph. David M.

Skinner, June; Turquoise Certification Process Developed at Arizona State University. Sept., p. 380

Turquoise crystals—Some Noteworthy Minerals from Virginia. Richard S.

Mitchell, June, p. 221

Tugtupite-Letters, Jan.-Feb., p. 42; Letters, Mar., p. 95; Letters. April, p. 154; Letters. May, p. 209;

Unakite—Unakite. Richard S. Mitchell,

June, p. 228

Vivianite—Some Noteworthy Minerals from Virginia. Richard S. Mitchell, June, p. 221

Willemite-Cover photograph. Henry Van Lenten, September

Wulfenite with mimetite—Cover photo-

graph. Joel Arem, July-August Zeolites—Mineral Collecting in Woodbury-

Southbury, Connecticut. William M. Brunet, May, p. 182

Zinc-The Zinc Minerals. Royal R. Marschall. Mar., p. 57; Shawangunk Mountain Lead-Zinc Deposits. George E. Heusser, Dec., p. 515.

Zincite-Cover photograph, Joel Arem, March

COVER PHOTOGRAPHS

January-Mimetite, Tseumb, S. W. Africa. Smithsonian Collection. Photograph by Joel Arem

March-Zincite, Franklin, New Jersey.
Smithsonian Collection. Photograph
by Joel Arem

April-Apatite crystal in calcite. Rossie, New York. Photograph by Katherine H. Jensen

May-Rhodochrosite. Silverton, Colorado. Smithsonian Collection. Photograph by Joel Arem

June-Crystallized Turquoise. Lynch Station, Virginia. University of Virginia Collection. Photograph by David M. Skinner

July-August-Wulfenite with mimetite.

Rowley Mine, Theba, Arizona. Smithsonian Collection. Photograph by Joel Arem

September-Hardystonite, calcite and willemite. Franklin, New Jersey. Photograph by Henry Van Lenten

October-Amethyst. Margaritha Mine, Guerrero, Mexico. Photograph by Katherine H. Jensen

November—Rhodochrosite. Louise Mine, Horhaussen, Naussau Germany, Smithsonian Collection. Photograph by Joel Arem

December—Silver, crystallized with copper. Houghton County, Michigan. Photograph by Katherine H. Jensen.

